

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

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| Applicant's or agent's file reference P01-03179WO | FOR FURTHER ACTION | See Form PCT/IPEA/416 |
| International application No. PCT/JP2004/004795 | International filing date (day/month/year) 01.04.2004 | Priority date (day/month/year) 03.04.2003 |
| International Patent Classification (IPC) or national classification and IPC | | |
| Applicant PIONEER CORPORATION | | |

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|---|-----------------------------------|---|-----------|---------------------|--------------------------|------------|----------|--------------------------|-------------|--|--------------------------|------------|----------------------------|-------------------------------------|-----------|---|--------------------------|------------|-------------------------|--------------------------|-------------|--|--------------------------|--------------|---|
| <p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>6</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>4. This report contains indications relating to the following items:</p> <table><tr><td><input checked="" type="checkbox"/></td><td>Box No. I</td><td>Basis of the report</td></tr><tr><td><input type="checkbox"/></td><td>Box No. II</td><td>Priority</td></tr><tr><td><input type="checkbox"/></td><td>Box No. III</td><td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td></tr><tr><td><input type="checkbox"/></td><td>Box No. IV</td><td>Lack of unity of invention</td></tr><tr><td><input checked="" type="checkbox"/></td><td>Box No. V</td><td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td></tr><tr><td><input type="checkbox"/></td><td>Box No. VI</td><td>Certain documents cited</td></tr><tr><td><input type="checkbox"/></td><td>Box No. VII</td><td>Certain defects in the international application</td></tr><tr><td><input type="checkbox"/></td><td>Box No. VIII</td><td>Certain observations on the international application</td></tr></table> | | <input checked="" type="checkbox"/> | Box No. I | Basis of the report | <input type="checkbox"/> | Box No. II | Priority | <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability | <input type="checkbox"/> | Box No. IV | Lack of unity of invention | <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | <input type="checkbox"/> | Box No. VI | Certain documents cited | <input type="checkbox"/> | Box No. VII | Certain defects in the international application | <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |
| <input checked="" type="checkbox"/> | Box No. I | Basis of the report | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Box No. II | Priority | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention | | | | | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Box No. VI | Certain documents cited | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application | | | | | | | | | | | | | | | | | | | | | | | |
| Date of submission of the demand | Date of completion of this report | | | | | | | | | | | | | | | | | | | | | | | | |
| Name and mailing address of the IPEA/JP | Authorized officer | | | | | | | | | | | | | | | | | | | | | | | | |
| Facsimile No. | Telephone No. | | | | | | | | | | | | | | | | | | | | | | | | |

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/004795

Box No. I

Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☒ the international application as originally filed/furnished
- ☐ the description:
- pages _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the claims:
- nos. _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* _____ received by this Authority on _____
- nos.* _____ received by this Authority on _____
- ☐ the drawings:
- sheets _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

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| Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | | |
|--|---|-----------------------|-----|
| 1. Statement | | | |
| Novelty (N) | Claims | 1-36 | YES |
| | Claims | | NO |
| Inventive step (IS) | Claims | 13, 14, 19, 20, 34-36 | YES |
| | Claims | 1-12, 15-18, 21-33 | NO |
| Industrial applicability (IA) | Claims | 1-36 | YES |
| | Claims | | NO |
| 2. Citations and explanations (Rule 70.7) | | | |
| Document 1: JP 2002-365076 A (Denso Corp.), 18 December 2002, paragraphs [0024] to [0046], and fig. 4 and 5 (Family: none) | | | |
| Document 2: JP 2002-98539 A (Denso Corp.), 05 April 2002, paragraphs [0025] to [0035] (Family: none) | | | |
| Document 3: JP 2000-337909 A (Clarion Co., Ltd.), 08 December 2000, entire text (Family: none) | | | |
| Document 4: JP 9-204475 A (Toyota Motor Corp.), 05 August 1997, paragraph [0024] & US 5924075 A & EP 0786732 | | | |
| Document 5: JP 2000-258177 A (Aisin AW Co., Ltd.), 22 September 2000, paragraphs [0022] to [0038] (Family: none) | | | |
| Document 6: JP 11-94578 A (Casio Computer Co., Ltd.), 09 April 1999, paragraphs [0024] to [0026] (Family: none) | | | |
| Document 7: JP 8-304094 A (Aisin AW Co., Ltd.), 22 November 1996, paragraphs [0034] to [0036] and fig. 8 & US 5842147 A & US 6070124 A & EP 0731337 A1 | | | |
| Document 8: JP 2002-357444 A (NEC Corp.), 13 December 2002, paragraphs [0011] to [0013] (Family: none) | | | |

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

The inventions that are set forth in claims 1 to 4, 6 to 10, 15, 22, 23 and 27 to 31 do not involve an inventive step in the light of document 1 cited in the international search report and document 2 cited in the international search report.

It would be easy for a person skilled in the art to conceive of employing the invention that is disclosed in document 2 in the vehicle-mounted navigation device that is disclosed in document 1 and configuring so as to determine whether or not the estimated time of arrival at an establishment falls within the operating hours of the establishment when setting additional en-route destinations.

The invention that is set forth in claim 5 does not involve an inventive step in the light of document 1, document 2 and document 3 cited in the international search report.

Document 3 discloses the feature of presenting a plurality of routes.

The inventions that are set forth in claims 11 and 12 do not involve an inventive step in the light of document 1, document 2 and document 4 cited in the international search report.

It would be easy for a person skilled in the art to conceive of employing the invention that is disclosed in document 4 in the vehicle-mounted navigation device that is disclosed in document 1 and configuring so that the period of time to be spent at a destination is registered.

The inventions that are set forth in claims 16 to 18, 24 and 25 do not involve an inventive step in the

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light of document 1, document 2 and document 5 cited in the international search report.

It would be easy for a person skilled in the art to conceive of employing the invention that is disclosed in document 5 in the vehicle-mounted navigation device that is disclosed in document 1 and configuring so as to implement a route re-evaluation process for re-evaluating a route by comparing the preliminary schedule with an estimated time of arrival that has been determined during travel and then adding or removing en-route destinations.

The invention that is set forth in claim 21 does not involve an inventive step in the light of document 1, document 2, document 5 and document 6 cited in the international search report.

Document 6 discloses the feature of changing the sequence in which the en-route destinations are visited when re-evaluating a route.

The invention that is set forth in claim 26 does not involve an inventive step in the light of document 1, document 2 and document 7 cited in the international search report.

Document 7 discloses the feature of supplying guidance information that leads to a destination when a vehicle enters within a predetermined range of the destination.

The inventions that are set forth in claims 32 and 33 do not involve an inventive step in the light of document 1, document 2 and document 8 cited in the international search report.

Document 8 discloses the feature of generating route guidance information in a server that communicates with the terminal.

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|-----------|--|

The inventions that are set forth in claims 13, 14, 19, 20 and 34 to 36 are not disclosed in any of the documents that are cited in the international search report, and would not have been obvious to a person skilled in the art.